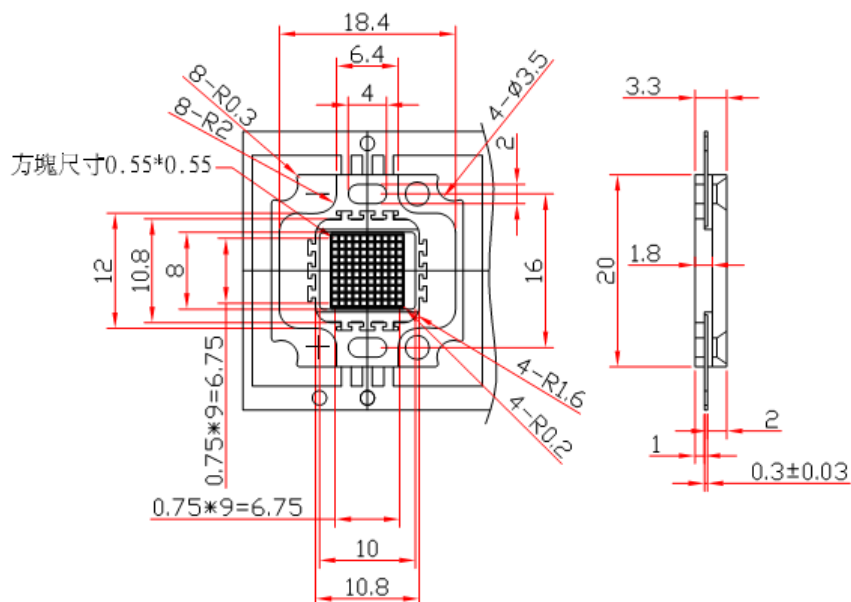


## Features:

- High luminous flux
- High luminous efficiency
- DC low voltage
- Long life
- ROHS Compliance
- Yellow Color

WL: 590-595nm

## Outline : Unit ( mm )



5W Yellow COB

P/N : LT89Y4-R35D-P



Remark: 5 in series and 1 in parallel



ATTENTION  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
SENSITIVE DEVICES

**Absolute Maximum Ratings (Ta=25°C)**

| Parameter                   | Symbol | Rating     | Unit |
|-----------------------------|--------|------------|------|
| Parameter                   | Pd     | 5          | W    |
| Power Dissipation           | If     | 350        | mA   |
| Forward Current (DC)        | Vr     | 5          | V    |
| Reverse Voltage             | Top    | -40 ~ +85  | °C   |
| Operation Temperature Range | Tstg   | -40 ~ +100 | °C   |
| Storage Temperature Range   | Ifp    | 500        | mA   |
| Peak Forward Current        | ESD    | 2000(HBM)  | V    |
| Electro-Static-Discharge    | Tj     | 125        | °C   |

**Typical Electrical and Optical Characteristics (Ta=25°C)**

| Parameter             | Symbol           | Condition | Parameter |      |      | Unit |
|-----------------------|------------------|-----------|-----------|------|------|------|
|                       |                  |           | Min.      | Typ. | Max. |      |
| Forward Voltage       | Vf               | If=350mA  | 11        | --   | 13   | V    |
| LM                    | $\varphi$        | If=350mA  | 170       | --   | 200  | lm   |
| Luminous Efficiency   | $\eta$           | If=350mA  | --        | --   | --   | Lm/W |
| Color Index           | CRI              | If=350mA  | --        | --   | --   | Ra   |
| Reverse Current       | Ir               | Vr=5V     | --        | --   | 10   | uA   |
| Thermal Resis         | R $\Theta_{J-B}$ | IF=350mA  | --        | 10   | --   | °C/W |
| Wavelength            | WD               | If=350mA  | 590       | --   | 595  | nm   |
| Chromatic Coordinates | X                | If=350mA  | --        | --   | --   |      |
|                       | Y                | If=350mA  | --        | --   | --   |      |

Tolerance : flux  $\pm 10\%$ , WD  $\pm 2\text{nm}$ , Vf  $\pm 0.05\text{V}$ , X, Y  $\pm 0.01$ , CT  $\pm 200\text{K}$

Peak Forward Current(Pulse width $\leq 10\text{msec}$  duty $\leq 1/10$ )

Typical Electrical / Optical Characteristics Curves

